

# EUROPEAN PATENT OFFICE

Patent Abstract of Japan

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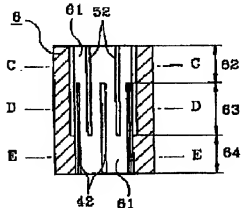
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APPLICANT : SAMSUNG ELECTRO MECH CO LTD;

INVENTOR : SHIN SEIKO;

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TITLE : SINTERED OIL IMPREGNATED  
DYNAMIC PRESSURE BEARING



ABSTRACT : PROBLEM TO BE SOLVED: To provide a sintered oil impregnated dynamic pressure bearing which can reduce friction and introduce uniform rotation by strengthening impact resistance while improving the durability of the bearing and can prevent the release of oil caused by the moving-up/-down movement of the oil and prevent the release of oil by preventing the oil from moving up while making a dynamic pressure action.

SOLUTION: Many grooves 42, 52 are formed along axial direction on the inner surface of a cylindrical bearing. Downward grooves 42 of which each lower end is at the lower end of the cylinder and of which each upper end is in the middle of the upper portion of the cylinder and upward grooves 52 of which each upper end is at the upper end of the cylinder and of which each lower end is in the middle of the lower portion of the cylinder are constituted in zigzag manner.

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